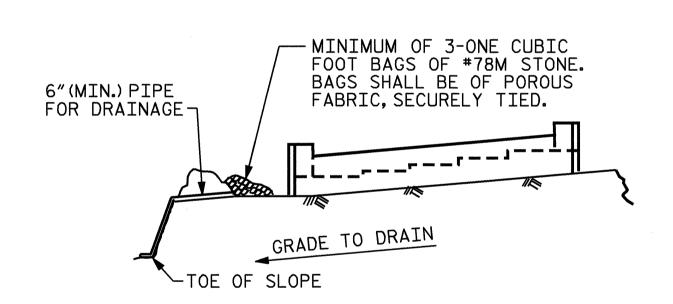


NOTE: NO SEPARATE PAYMENT WILL BE MADE FOR FURNISHING AND INSTALLING THE PVC PLASTIC PIPE DRAINS, HARDWARE CLOTH AND FASTENERS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

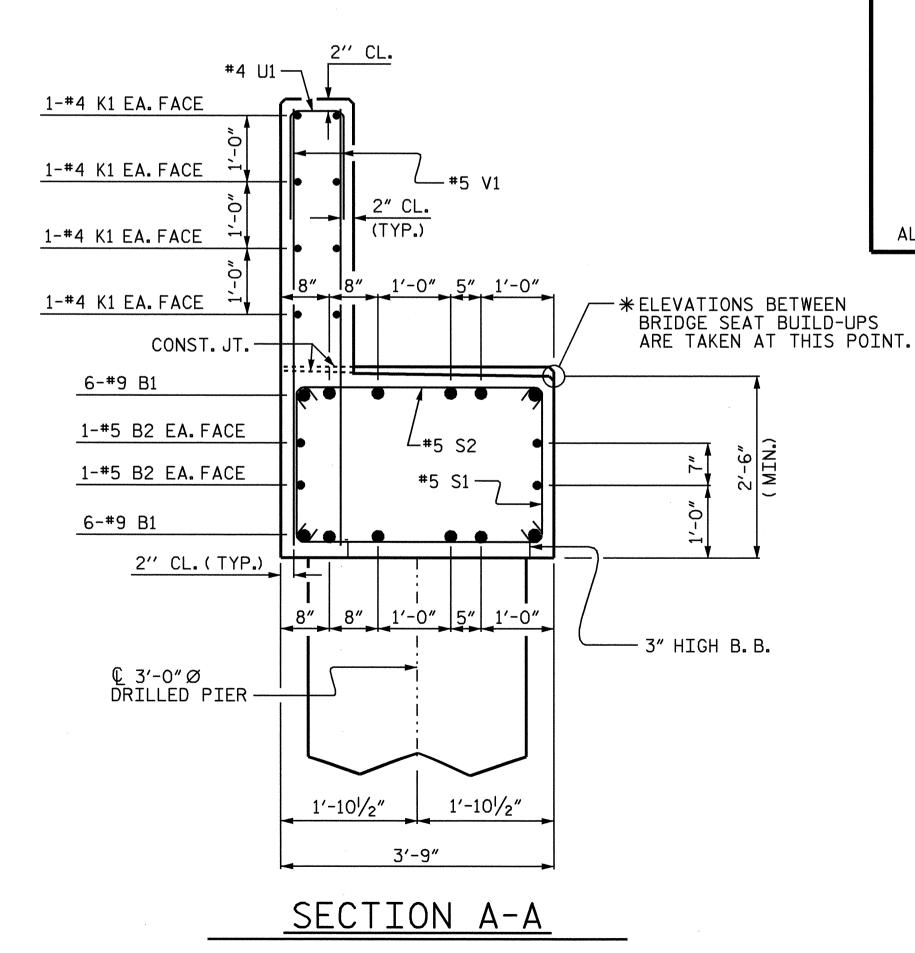
PIPE DRAIN DETAILS

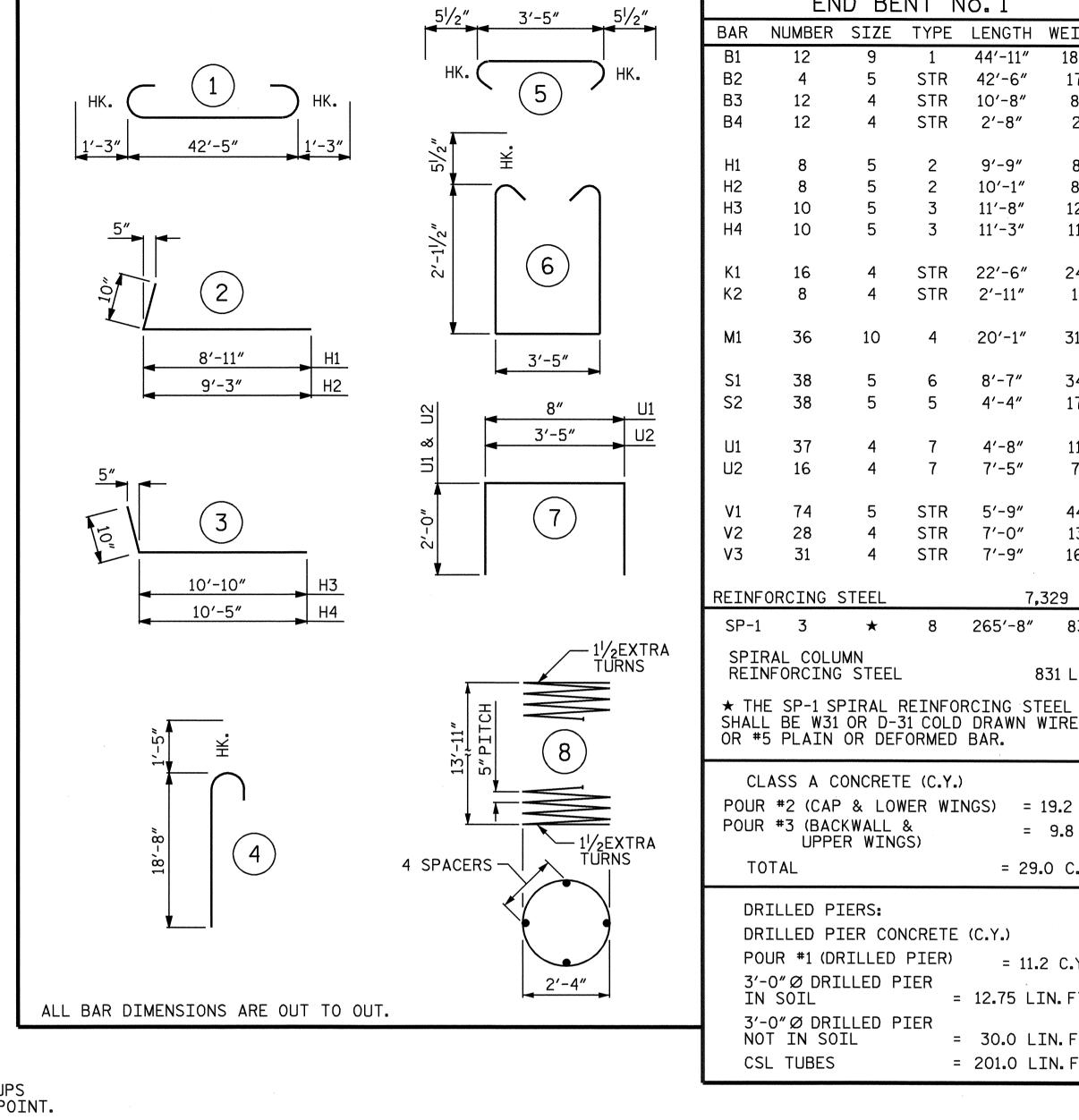


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

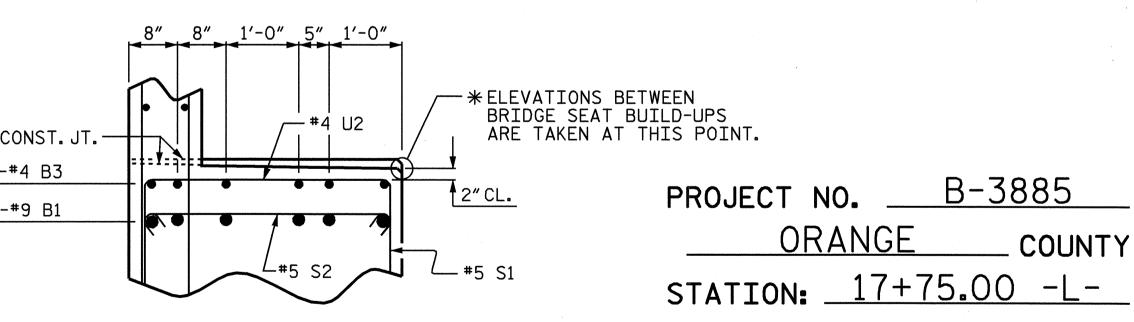
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETER-MINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.





BAR TYPES -



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUBSTRUCTURE

SHEET 4 OF 4

END BENT No. 1

BILL OF MATERIAL

END BENT No. 1

NUMBER SIZE TYPE LENGTH WEIGHT

44'-11"

22'-6"

20'-1"

7′-5″

7′-0″

7′-9″

265'-8"

3

SPIRAL COLUMN REINFORCING STEEL

TOTAL

IN SOIL

NOT IN SOIL

CSL TUBES

DRILLED PIERS:

CLASS A CONCRETE (C.Y.)

UPPER WINGS)

DRILLED PIER CONCRETE (C.Y.)

POUR #1 (DRILLED PIER)

3'-0"Ø DRILLED PIER

3′-0″Ø DRILLED PIER

STR 2'-11"

21

340

79

160

7,329 LBS

831 LBS.

= 9.8

= 29.0 C.Y.

= 11.2 C.Y.

= 12.75 LIN.FT.

= 30.0 LIN.FT.

= 201.0 LIN.FT.

42′-6″ 10'-8"

STR 2'-8"

SHEET NO. REVISIONS S-22 BY: DATE: DATE: BY: TOTAL SHEETS

TEMPORARY DRAINAGE AT END BENT

